



IPW 1644

PTO/SB/21 (02-04)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/080,273
	Filing Date	February 19, 2002
	First Named Inventor	Lu, Peter S.
	Art Unit	1644
	Examiner Name	Dibrino, Marianne
Total Number of Pages in This Submission	Attorney Docket Number	020054-002310US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Return Postcard, copies of twenty (20) cited references
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Townsend and Townsend and Crew LLP
	Scott L. Auserhus Reg. No. 42,271
Signature	
Date	06/16/2004

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Nicole Wartell		
Signature		Date	06/16/2004

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

PATENT
Attorney Docket No.: 020054-002310US

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



On June 16, 2004

TOWNSEND and TOWNSEND and CREW LLP

By:

Nicole Wartell
Nicole Wartell

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Lu et al.

Application No.: 10/080,273

Filed: February 19, 2002

For: PDZ DOMAIN INTERACTIONS
AND LIPID RAFTS

☐

Examiner: Dibrino, Marianne

Art Unit: 1644

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Scott L. Ausenhus
Reg. No. 42,271

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 303-571-4000
Fax: 303-571-4321
SLA:nmb
60233329 v1



Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/080,273	
			Filing Date	February 19, 2002	
			First Named Inventor	Lu, Peter S.	
			Art Unit	1644	
			Examiner Name	Dibrino, Marianne	
Sheet	1	of	2	Attorney Docket Number	020054-002310US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	A1	US-5,863,898	01-26-1999	Goli et al.	
	A2	US-5,958,731	09-28-1999	Yue et al.	
	A3	US-5,976,819	11-02-1999	Finkel et al.	
	A4	US-6,174,702 B1	01-16-2001	Lal et al.	
	A5	US-2002/0058607 A1	05-16-2002	Sato et al.	
	A6	US-2002/0147306 A1	10-10-2002	Lin et al.	
	A7	US 2003/0203414 A1	10-30-2003	Sato et al.	
	A8				

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	B1	PCT	WO 02/31512	A2	04-18-2002	Arbor Vita Corp		<input type="checkbox"/>
	B2	PCT	WO 03/014303	A2	02-20-2003	Arbor Vita Corp		<input type="checkbox"/>
	B3	CA	2 273.622	A1	12-02-2000			<input type="checkbox"/>

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

60233329 v1



Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/080,273	
			Filing Date	February 19, 2002	
			First Named Inventor	Lu, Peter S.	
			Art Unit	1644	
			Examiner Name	Dibrino, Marianne	
Sheet	2	of	2	Attorney Docket Number	020054-002310US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	BRENMAN et al. "Interaction of nitric oxide synthase with the postsynaptic density protein PSD-95 and alpha1-syntrophin mediated by PDZ domains." Cell, 1996, pp. 757-767, Vol. 84, No. 5	
	C2	FABRE, STÉPHANE et al. "Identification of functional PDZ domain binding sites in several human proteins" Molecular Biology Reports, 2000, pp. 217-224, Vol. 27, No. 4.	
	C3	FORD, KG et al. "Protein transduction: an alternative to genetic intervention?" Gene Therapy, 2001, pp. 1-4, Vol. 8, Nature Publishing Group.	
	C4	HARRIS, BARUCH Z. & LIM, WENDELL A. "Mechanism and role of PDZ domains in signaling complex assembly" Signal Transduction and Cellular Organization, Journal of Cell Science, 2001, pp. 3219-3231, Vol. 114.	
	C5	KORNAU et al. "Domain interaction between NMDA receptor subunits and the postsynaptic density protein PSD-95." Science, 1995, pp. 1737-1740, Vol. 269, No. 5231.	
	C6	LEE, SIU SYLVIA et al. "Binding of human virus oncoproteins to hDlg/SAP97, a mammalian homolog of the Drosophila discs large tumor suppressor protein" Proceedings of the Nat. Acad. Of Sci. USA, June 1997, pp. 6670-6675, Vol. 94.	
	C7	MARFATIA, SHIRIN et al. "The PDZ domain of human erythrocyte p55 mediates its binding to the cytoplasmic carboxy terminus of Glycophorin C" The Journal of Biological Chemistry, September 1997, pp. 24191-24197, Vol. 272, No. 39	
	C8	NIETHAMMER, MARTIN et al. "CRIPT, a Novel Postsynaptic Protein that Binds to the Third PDZ Domain of PSD-95/SAP90" Neuron, April 1998, pp. 693-707, Vol. 20, Cell Press.	
	C9	SONGYANG, Z. ET AL. "Recognition of Unique Carboxyl-Terminal Motifs by Distinct PDZ Domains" Science, 3 January 1997, pp. 73-77, Vol. 275.	
	C10	WANG, YU TIAN et al. "Ca ²⁺ -independent reduction of N-methyl-D-aspartate channel activity by protein tyrosine phosphatase" PNAS USA, Feb. 1996, pp. 1721-1725, Vol. 93.	
	C11		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.